

**Method and Apparatus for Equipping Personal Digital Product with
Functions of Recording and Displaying of the Digital Video/Audio
Multi-media**

ABSTRACT

5 The invention provides a method for equipping personal digital
product with functions of recording and displaying the digital
video/audio multi-media, comprising: providing a modulated
interlacing video signal and an analog audio signal for de-modulation
10 and de-interlacing of the interlacing video signal; at the same time
processing digital transformation of the analog audio signal for
digitalizing the analog audio signal to obtain a digital audio signal;
then compressing the de-interlaced video signal and the digital audio
signal to obtain a compressed de-interlaced video signal and a
15 compressed digital audio signal; putting the compressed de-interlaced
video signal and the compressed digital audio signal under
synchronous process to obtain a synchronized compressed video
signal and compressed audio signal; finally, outputting the
synchronized compressed video signal and compressed audio signal
20 to a processing unit of digital apparatus for selecting from recording
or displaying the digital video/audio multi-media of synchronized
compressed video signal and compressed audio signal.